Patent Application for A COMBINED DIGITAL ADAPTIVE PRE-DISTORTER AND PRE-EQUALIZER SYSTEM FOR MODEMS IN LINK HOPPING RADIO NETWORKS IN INVENTIC, Manouchel's R. Rafle, et al Altorrey Docket No.. 10506/7

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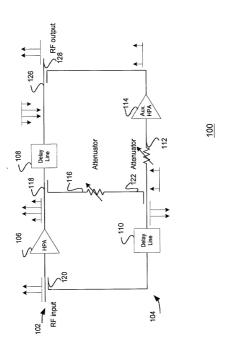


FIG. 1 - PRIOR ART -

Patent Application for A COMBINED DIGITAL ADAPTIVE PRE-DISTORTER AND PRE-EQUALIZER SYSTEM FOR MODEMS IN LINK HOPPING RADIO NETWORKS

Inventor: Manoucher's Saffa, et al. Attorney Docket No. 10506/7



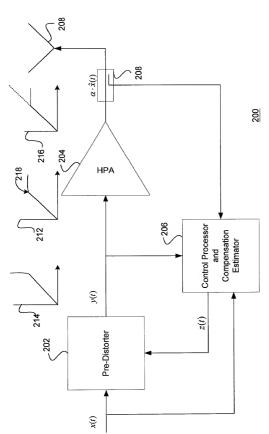
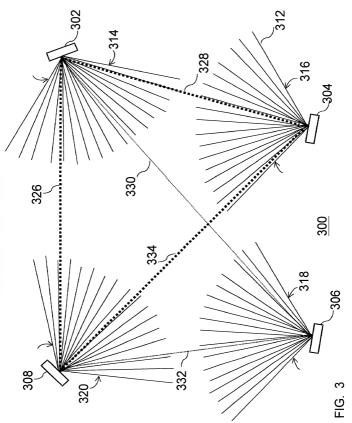
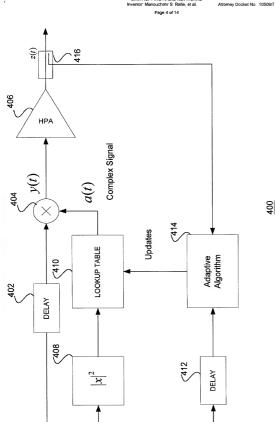


FIG. 2 -PRIOR ART -

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x(t)



400

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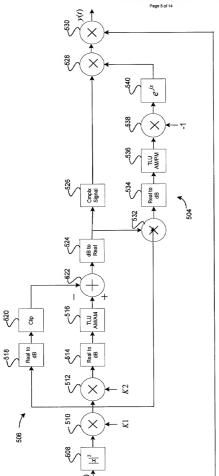
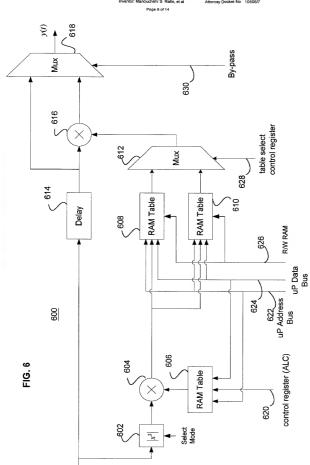


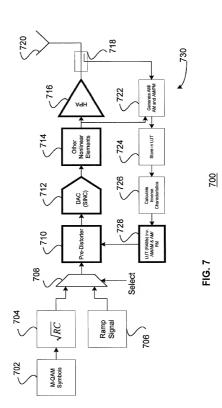
FIG. 5

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x(t)

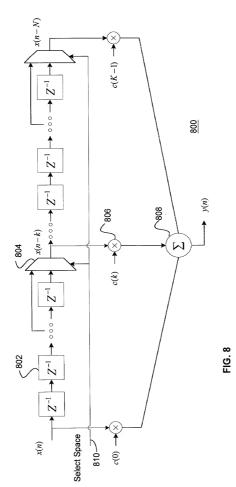
Patent Application for: A COMBINED DIGITAL ADAPTIVE PRE-DISTORTER AND PRE-EQUALIZER SYSTEM FOR MODEMS IN LINK HOPPING RADIO NETWORKS Inventor: Manuschel's Tallel, et al. Attorney Docket No. 10506/7



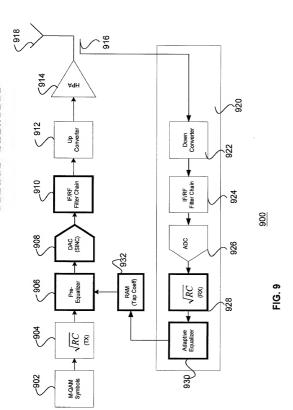


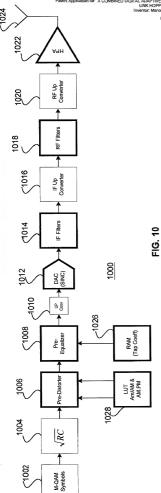
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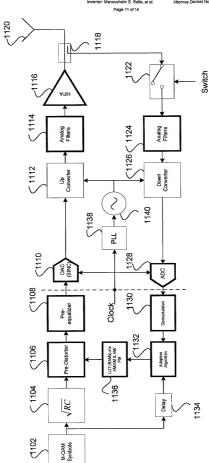


FIG. 11

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TOWNSON CONTAGOOD



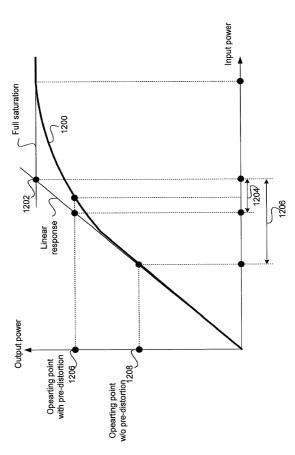
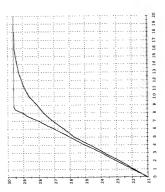


FIG. 12

atent Application for A COMBINED DIGITAL ADAPTIVE PRE-DISTORTER AND PRE-EQUALIZER SYSTEM FOR MODEMS IN LINK HOPPING RADIO NETWORKS

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HPA without Pre-distorter

SNR = 28.5dB

HPA with Pre-distorter

SNR = 43.5dB

